

GRAYS HARBOR – WYNOOCHEE FALL CHINOOK

STOCK STATUS

1992 STATUS

Healthy

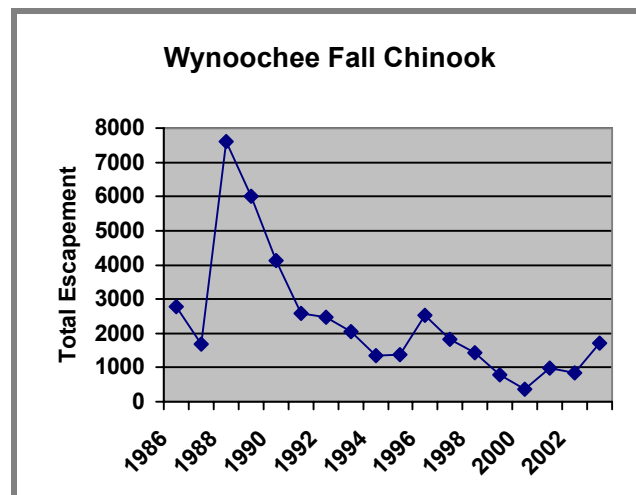
2002 STATUS

Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	2,773
1987	1,681
1988	7,601
1989	6,001
1990	4,126
1991	2,582
1992	2,461
1993	2,038
1994	1,359
1995	1,378
1996	2,524
1997	1,834
1998	1,431
1999	782
2000	365
2001	985
2002	832
2003	1,724



Data are total escapement estimates based on redd counts within intensive and supplemental index areas expanded to basin-wide totals. Index areas surveyed include the mainstem Wynoochee River (RM 1.7 to 47.9), RM 5.6 to 8.1 – Supplemental, RM 8.1 to 15.4 and RM 29.1 to 31.2). Adults trapped at RM 47.9 and hauled above the Wynoochee reservoir are also included in the escapement estimate. Surveyed tributaries include Bitter, Helm, Carter, Schafer, Anderson and Big creeks as well as unnamed tributary 22.0298.

Escapements in 1999 to 2001 are the lowest on record and are considerably lower than the escapements used to rate status in 1992. Therefore stock status is rated **Depressed** in 2002 because of a **short-term severe decline** from 1999 to 2001.

STOCK DEFINITION

Wynoochee fall Chinook were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Wynoochee River above RM 10.5 and in Carter, Schafer and Helm creeks. Small numbers of spawners are seen in Big and Anderson creeks.

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SPAWNING TIMING: Spawning generally occurs from October to early December, peaking in late October to early November.

GENETIC ANALYSIS: Wynoochee River fall Chinook spawners were sampled in 1990 and 1993 and found to be significantly different from those of other Washington Chinook stocks examined, except for Wishkah River fall Chinook (Marshall 2002).

STOCK ORIGIN

This is a **native** stock with **wild** production. There have been three releases of non-native hatchery fall Chinook into the Wynoochee basin. Numbers of fish released were small. The potential for hybridization between introduced and native Chinook existed but was not very great.